

Amendments to the Claims:

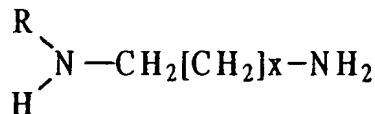
This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-17 (canceled).

Claim 18 (currently amended): A process of lubricating a crankcase comprising:

lubricating the crankcase with ~~An~~ an oil soluble composition comprising the reaction product of a fatty oil, a diamine, and a molybdenum source, wherein the diamine has the chemical structure:



wherein x is 1 or 2, and R is an alkyloxyalkylene group represented by -X₁-O-X₂, wherein X₁ is an alkylene of 2, 3 or 4 carbons, and X₂ is an alkyl moiety having 3 to 30 carbon atoms, ~~and~~ wherein the fatty oil comprises a triglyceride having fatty acid moieties, and said fatty acid moieties comprise C₁₂ to C₂₂ hydrocarbon chains, and wherein the oil soluble composition includes a molybdenum content of from about 8.1 wt% to about 15 wt%.

Claim 19 (currently amended): ~~The oil-soluble composition process~~ according to claim 18, wherein the molybdenum source comprises molybdenum trioxide.

Claim 20 (currently amended): ~~The oil-soluble composition process~~ according to claim 18, wherein x is 2, X₁ is 3 or 4, and X₂ is an alkyl group having 3 to 20 carbon atoms.

Claim 21 (currently amended): The ~~oil-soluble composition~~ process according to claim 18, wherein the molar ratio of diamine to fatty oil is from about 1.5:1 to about 3:1.

Claim 22 (currently amended): A ~~composition~~ process according to claim + 18, wherein said composition is diluted with a process, mineral or synthetic oil before being added to the crankcase.

Claim 23 (canceled).

Claim 24 (currently amended): A ~~composition~~ process according to claim 18, wherein said composition is diluted with a process, mineral or synthetic oil.

Claims 25-38 (canceled):

Claim 39 (new): A process for lubricating a crankcase comprising adding a lubricant to said crankcase, said lubricant including:

(a) organomolybdenum composition comprising the reaction products of (i) at least one fatty oil; (ii) at least one mono-alkylated alkylene diamine; and (iii) a molybdenum source, wherein the organomolybdenum composition includes a molybdenum content of from about 8.1 wt % to about 15 wt %;

(b) an organomolybdenum composition comprising the reaction products of (i) at least one fatty oil; (ii) at least one mono-alkylated alkylene diamine; and (iii) a molybdenum source, wherein the molar ratio of molybdenum source to mono-alkylated alkylene diamine is from about 2:3 to about 1.15:1;

(c) an organomolybdenum composition comprising the reaction products of (i) at least one fatty oil; (ii) at least one mono-alkylated alkylene diamine; and (iii) a molybdenum source, wherein the total base number (TBN) as determined by ASTM D2896 is less than 50 mg KOH/gram; and

(d) an organomolybdenum composition comprising the reaction products of (i) at least one fatty oil; (ii) at least one mono-alkylated alkylene diamine; and (iii) a molybdenum source, wherein the molar ratio of molybdenum source to mono-alkylated alkylene diamine is from about 2:3 to about 1.15:1 to a crankcase, and wherein the total base number (TBN) as determined by ASTM D2896 is less than 50 mg KOH/gram.

Claim 40 (new): The process according to claim 39, wherein the lubricant includes (a).

Claim 41 (new): The process according to claim 40, wherein the lubricant includes (b).

Claim 42 (new): The process according to claim 40, wherein the lubricant includes (c).

Claim 43 (new): The process according to claim 40, wherein the lubricant includes (d).

Claim 44 (new): A crankcase lubricated by the process of claim 39.

Claim 45 (new): A process for preparing an engine oil composition having improved deposit control performance, process comprising:

including a minor amount of a molybdenum containing composition obtained by reacting a fatty oil, a diamine, and a molybdenum source, in the absence of carbon disulfide and volatile organic solvent, wherein the fatty oil and diamine are reacted to form an intermediate reaction mixture, wherein the molybdenum source is incorporated with intermediate, and wherein the incorporation is performed at 80°C to 130°C, in a major amount of an oil suitable for an engine whereby said engine oil composition is obtained.

Claim 46 (new): The process according to claim 45, wherein the incorporation is performed at a temperature of 100°C to 125°C.

Claim 47 (new): The process according to claim 45, wherein the intermediate reaction mixture comprises an aminoamide/glycerol carboxylate mixture prepared by combining a glycerol ester of a fatty acid selected from a fatty oil, vegetable oil, triglyceride, or a mixture thereof, with a mono-substituted alkylene diamine.

Claim 48 (new): The process according to claim 47, wherein the glycerol ester of a fatty acid and the mono-substituted alkylene diamine are combined and heated, with mixing at a temperature between about 100 degrees Celsius and about 150 degrees Celsius.

Claim 49 (new): The process according to claim 45, wherein the molybdenum source is molybdenum trioxide.

Claim 50 (new): The process according to claim 47, wherein the molybdenum source and water are combined with the aminoamide/glycerol carboxylate mixture for a time and at a temperature sufficient to produce a molybdenum-containing reaction product.

Claim 51 (new): The process according to claim 50, wherein the time is from 1 to about 10 hours and the temperature is from about 100 degrees Celsius to about 150 degrees Celsius.

Claim 52 (new): The process according to claim 45, wherein said minor amount is an amount sufficient to provide at least 50 ppm of molybdenum in the engine oil composition.

Claim 53 (new): An engine oil composition produced by the process of claim 45.

Claim 54 (new): The engine oil composition of claim 52, wherein the composition contains less than 0.05 wt% sulfur.

Claim 55 (new): The composition of claim 53, wherein the composition comprises from 10.0 wt% to 15.0% molybdenum.

Claim 56 (new): The composition of claim 54, wherein the composition comprises between 8.1 wt% and 11.4 wt% molybdenum.

Claim 57 (new): A process for providing improved deposit control performance in an engine, said process comprising lubricating an engine with an engine oil composition according to claim 45.